

Patent Abstracts of Japan

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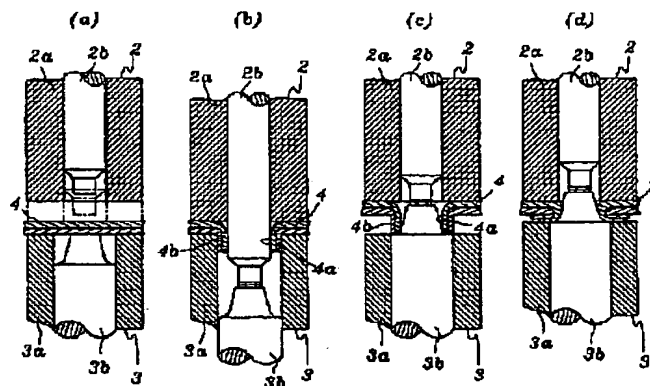
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TITLE : METHOD FOR JOINING SHEET MATERIAL



ABSTRACT : PURPOSE: To provide a joining method of sheet materials by which high joining force is obt'd. with fewer stages and working efficiency is improved.

CONSTITUTION: This joining method consists of a first stage for supporting plural sheets of sheet materials 4 to be joined in a laminated state by a burring die 3a, a second stage for retaining the materials 4 to be joined by a retaining member 2a and subjecting the materials 4 to be joined to burring by lowering a punch 2b, a third stage for moving a roll die 3b from below to support the materials 4 to be joined and a fourth stage for rising the roll type die 3 and the burring die 3a and lowering the retaining member 2a, thereby turning back the cylindrical part 4b formed by the burring. The materials to be joined in a laminated state is subjected to the burring and the cylindrical part formed by the burring is turned back, by which the sheet materials are joined and, therefore, the stages are decreased and the working efficiency is improved. In addition, the secure joining between the sheet materials is obt'd.

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